

STANLEY SCHURGIN  
CHARLES JAGNER III  
VICTOR B. LEBOVICI  
BEVERLY E. HJORTH  
HOLLIDAY C. HEINE, PH.D.  
GORDON P. MORIARTY  
JAMES F. THOMPSON  
DAVID A. DACC  
LIN B. OLSEN

**COPY OF PAPERS  
ORIGINALLY FILED**

WEINGARTEN, SCHURGIN, GAGNEBIN & LEBOVICI LLP  
TEN POST OFFICE SQUARE  
BOSTON, MASSACHUSETTS 02109

INTELLECTUAL PROPERTY LAW

PATENTS, TRADEMARKS AND COPYRIGHTS

TELEPHONE  
(617) 542-2290  
FACSIMILE  
(617) 451-0313

RECEIVED

MAR 27 2002

THOMAS P. GRODT

RICHARD E. GAMACHE

MARK SUPERKO

SUK KIM

OF COUNSEL  
ARTHUR S. MORGENSEN

JOSEPH WEINGARTEN  
(1919-1984)

### FACSIMILE COVER SHEET

DATE: January 30, 2002

TO:	Customer Service United States Patent Office	Fax No.: 703-308-7751
FROM:	C.Gagnebin	No. of pages transmitted (including this page) 16
Our File:	09/626,566	Time: 3:30 PM
Your Ref:	CCDLT-300XX	Sent by: C. Gagnebin

A confirmation copy of this transmission will not be mailed unless the following is checked: [ ]

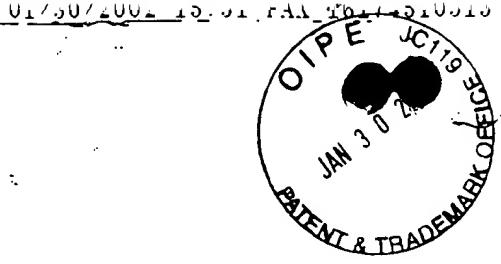
#### MESSAGE

In response to our telephone conversation on January 30, 2002, enclosed please find our Letter of November 6, 2000, responding to the Notice to File Missing Parts dated September 20, 2000, and our Letter of May 11, 2001, requesting correction of the filing receipt.

If you need any further information, please call me at 617-542-2290. Thank you for your help with this matter.

Constance Gagnebin

THIS MESSAGE MAY CONTAIN CONFIDENTIAL OR PRIVILEGED INFORMATION INTENDED ONLY FOR THE PERSON(S) IDENTIFIED ABOVE. IF IT HAS BEEN RECEIVED AT ANY OTHER PLACE OR HAS NOT BEEN CLEARLY RECEIVED, PLEASE CALL THE ABOVE IDENTIFIED SENDING PARTY COLLECT FOR INSTRUCTIONS. DO NOT SHOW OR DISTRIBUTE THIS MESSAGE TO ANYONE OTHER THAN THE INTENDED RECIPIENT(S). THANK YOU.



MSGL

RECEIVED

MAR 27 2002  
PATENT

TECH CENTER 1600/2900

COPY OF PAPERS  
ORIGINALLY FILED

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application : Quingping Jiang et al.  
Application No. : 09/626,566  
Filed : July 27, 2000  
For : NOVEL CHEMILUMINESCENT SUBSTRATES OF  
HYDROLYTIC ENZYMES AND THEIR USE IN ASSAYS  
Examiner : Unassigned  
Attorney's Docket : CCDLT-300XX

Group Art Unit: 1645

\*  
I hereby certify that this correspondence is being deposited with  
the United States Postal Service as first class mail in an  
envelope addressed to: Assistant Commissioner for Patents, Office  
of Initial Patent Examination, Customer Service Center,  
Washington, D.C. 20231 on 5/11/01.

By: Arthur S. Morgenstern  
Arthur S. Morgenstern  
Registration No. 28,244  
Attorney for Applicant(s)

## L E T T E R

Assistant Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
Washington, D.C. 20231

Sir:

In reviewing the Filing Receipt (copy enclosed) for the  
above-identified patent application, the following error was  
noted:

Filing Date: 11/09/2000

Application No.: 09/626,566  
Filed: July 27, 2000  
Group Art Unit: 1645

should read:

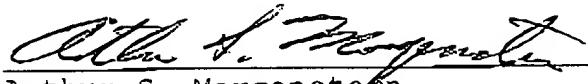
Filing Date: 07/27/00

Kindly correct the error of the Patent and Trademark Office  
and issue a corrected Filing Receipt.

For your convenience, a copy of the Notice to File Missing  
Parts is enclosed.

Respectfully submitted,

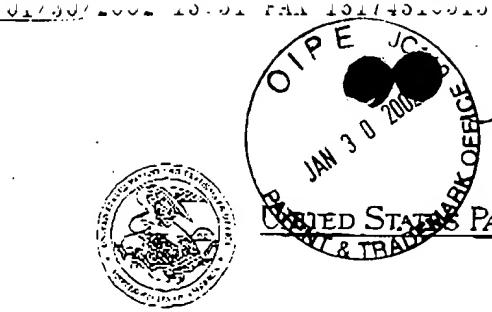
QUINGPING JIANG ET AL.

By:   
Arthur S. Morgenstern  
Registration No. 28,244  
Attorney for Applicant(s)

WEINGARTEN, SCHURGIN,  
GAGNEBIN & HAYES LLP  
Ten Post Office Square  
Boston, Massachusetts 02109

Telephone: (617) 542-2290  
Telecopier: (617) 451-0313

ASM/lkl/249744  
Enclosure



COPY OF PAPERS  
ORIGINALLY FILED  
UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED  
Page 1 of 4

MAR 27 2002  
TECH CENTER 1600/2900

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/626,566	11/09/2000	1645	1636	MOI-17002	32	42	2

00207  
WEINGARTEN, SCHURGIN, GAGNEBIN  
& HAYES, LLP  
TEN POST OFFICE SQUARE  
BOSTON, MA 02109

CDLT, 300XX  
CDLT, 1748  
1748

CONFIRMATION NO. 9704

FILING RECEIPT



\*OC000000005981748\*

Date Mailed: 04/18/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

#### Applicant(s)

Qingping Jiang, Northborough, MA;  
Anand Natrajan, Manchester, NH;  
David J. Sharpe, Foxboro, MA;  
Wen-Jee Wong, Weston, MA;  
Say-Jong Law, Westwood, MA;

RECEIVED  
APR 23 2001  
WEINGARTEN, SCHURGIN,  
GAGNEBIN & HAYES

#### Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/146,648 07/30/1999

#### Foreign Applications

If Required, Foreign Filing License Granted 09/15/2000

Projected Publication Date: N/A

Non-Publication Request: No

Early Publication Request: No

#### Title

Chemiluminescent substrates of hydrolytic enzymes

Preliminary Class

435

Data entry by : HAYWOOD, CHERRIE

Team : OIPE

Date: 04/18/2001



**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 36 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

**PLEASE NOTE the following information about the Filing Receipt:**

- o The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- o The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- o The title may be truncated if it consists of more than 600 characters (letters and spaces combined).
- o The docket number allows a maximum of 25 characters.
- o If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."
- o The title is recorded in sentence case.

Any corrections that may need to be done to your Filing Receipt should be directed to:

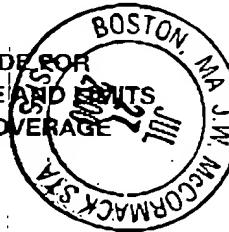
Assistant Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
Washington, DC 20231

**POST OFFICE  
TO ADDRESSEE**



EL418425372US

SEE REVERSE SIDE FOR  
SERVICE GUARANTEE AND FEES  
ON INSURANCE COVERAGE



<b>ORIGIN (POSTAL USE ONLY)</b>		
Post ZIP Code <b>02101</b>	Date of Delivery <input type="checkbox"/> Next <input type="checkbox"/> Second	Flat Rate Envelope <input type="checkbox"/>
Date In <b>7/27/00</b>	Time In <b>1650</b>	Postage <b>\$ 18.50</b>
AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>	Military <input type="checkbox"/> 2nd Day <input type="checkbox"/> 3rd Day	Return Receipt Fee
Weight <b>3.0 lbs</b>	Int'l Alpha Country Code	COD Fee
No Delivery <input type="checkbox"/> Weekend <input type="checkbox"/> Holiday	Acceptance Clerk Initials <b>SJ</b>	Total Postage & Fees <b>\$ 18.50</b>

**CUSTOMER USE ONLY**

**METHOD OF PAYMENT:**

**X021599**

Expense Mail Corporate Acct. No.

Federal Agency Acct. No. or  
Postal Service Acct. No.

**AC-55**

**WAIVER OF SIGNATURE (Domestic Only):** Additional merchandise insurance is void if waiver of signature is requested. I wish delivery to be made without obtaining signature of addressee or addressee's agent. If delivery employee judges that addressee is not in position to sign, he shall substitute his name. Signature of addressee or addressee's agent or employee constitutes valid proof of delivery.

**NO DELIVERY**

**Weekend**

**Holiday**

**Customer Signature**

**FROM: (PLEASE PRINT)**

PHONE #

**WEINGARTEN SCHURGIN  
GAGNEDIN & HAYES  
TEN POST-OFFICE SW 5TH ST  
BOSTON MA 02107-4603**

**TO: (PLEASE PRINT)**

PHONE #

**BOX PATENT APPLICATION**

**Assistant Commissioner for Patents  
Washington, D.C. 20231**

**CCDLT4300XX/ASM/jds.**

**PRESS HARD**

You are making 3 copies.

**FOR PICKUP OR TRACKING CALL 1-800-222-1811**

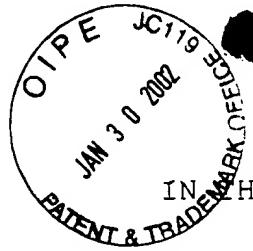
**www.usps.gov**



Applicant: Qingping Jiang et al.  
Title: NOVEL CHEMILUMINESCENT... Filed: HEREWITH  
Application No. 10/119 Patent No. CCD-300  
Enclosed is the Following:  
 Transmittal Letter in triplicate,  
 Check(s) for 32  
 Application including Pgs. 1-110 of Spec.,  
111-119 of claims and pg 123 of Abstract  
 Declaration and Power of Attorney, (unsigned)  
 Check(s) for 32  
 Informal / Formal Drawings.  
 Sheets of Figs. 1A-14  
 Letter to Chief Draftsman;  
 Amend/Resp. dated  
 Check(s) for  
 Information Disclosure Statement, Form 1449,  
 refs., Check for  
 Assignment; Check for  
 Issue Fee; PTO Form 85B&C; Check for  
Date Mailed: July 27, 2000  
Date Due: July 30, 2000  
Initials: ASM/jds  
Express Mail Receipt No. EL418425372US

**Receipt Data & Application No.**

JC873 U.S. P.R.O.  
09/626566  
07/27/00



COPY OF PAPERS  
ORIGINALLY FILED

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**RECEIVED**  
PATENT  
**MAR 27 2002**  
**CH CENTER 1600/2900**

In re application : Qingping Jiang et al.  
Application No. : 09/626,566  
Filed : July 27, 2000  
For : NOVEL CHEMILUMINESCENT SUBSTRATES OF  
HYDROLYTIC ENZYMES  
Attorney's Docket : CCD-300

Group Art Unit: 1645

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Missing Parts, Assistant Commissioner for Patents, Washington, D.C. 20231 on 11/6/00.

By:

Arthur S. Morgenstern  
Arthur S. Morgenstern  
Registration No. 28,244  
Attorney for Applicants

L E T T E R

Box Missing Parts  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Notice dated September 20, 2000 (copy enclosed), enclosed please find:

- Missing parts fee in the amount of \$130.00.
- Filing fee in the amount of \$710.00.
- Signed Declaration.
- Small entity status is entitled to be, and hereby is asserted for this application.

Application #: 09/626,566  
Filed: July 27, 2000  
Group Art Unit: 1645

[ ] A Petition for Extension of Time for \_\_\_\_\_ month(s) is hereby made, under provisions of §1.136(a); a check in the amount of \$ \_\_\_\_\_ is enclosed per §1.17.

[ ] Other: \_\_\_\_\_

In the event any additional fee is required, please charge such amount to Patent and Trademark Office Deposit Account No. 23-0804. A triplicate of this transmittal letter is enclosed.

Respectfully submitted,

QINGPING JIANG ET AL.

By: Arthur S. Morgenstern  
Arthur S. Morgenstern  
Registration No. 28,244  
Attorney for Applicants

WEINGARTEN, SCHURGIN,  
GAGNEBIN & HAYES LLP  
Ten Post Office Square  
Boston, Massachusetts 02109

Telephone: (617) 542-2290  
Telecopier: (617) 451-0313

Date: 11/6/00

ASM/jds  
Enclosure  
237288

COPY OF PAPERS  
ORIGINALLY FILED

## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/626,566	07/27/2000	Qingping Jiang	CCD-300

## FORMALITIES LETTER



OC000000005413438\*

Andrew Klawitter  
Bayer Corporation  
63 North Street  
Medfield, MA 02052

Date Mailed: 09/20/2000

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

## FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 690 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).*
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 820.

*A copy of this notice MUST be returned with the reply.*

*SM*  
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

